PRML Assignment Report

Group No. 28

2013-09-19

1 Eigen Analysis

Given a database of 150 images each of size 64 x 64, we have performed eigen analysis on 5
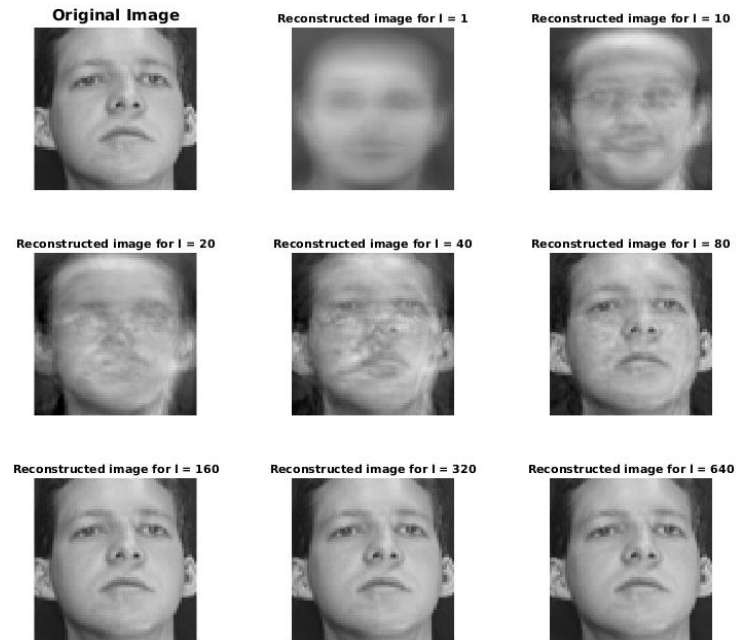
Original Image

Reconstructed image for I = 1

Reconstructed image for I = 10

Reconstructed image for I = 20

Reconstructed image for I = 40

Reconstructed image for I = 80

Reconstructed image for I = 160

Reconstructed image for I = 320

Reconstructed image for I = 640

Figure 1:

2 Polynomial Regression

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Given a database of 150 images each of size 64 x 64, we have performed eigen analysis on 5
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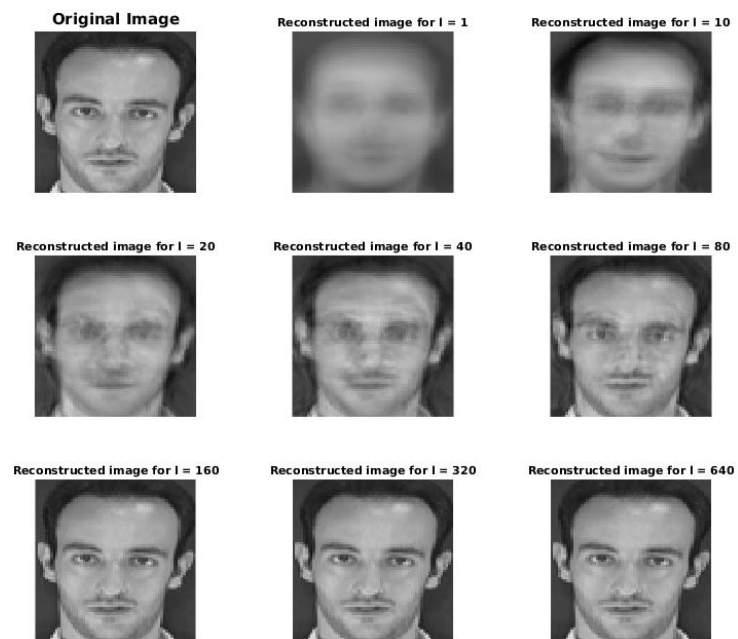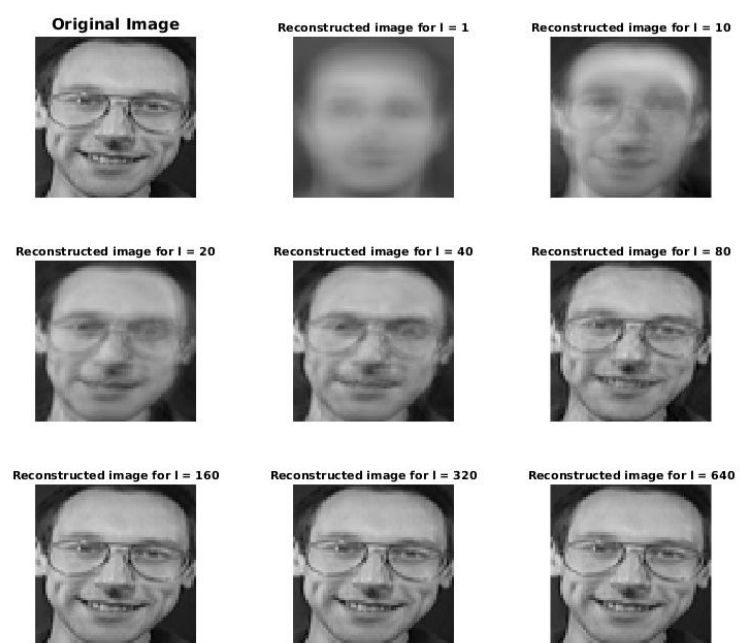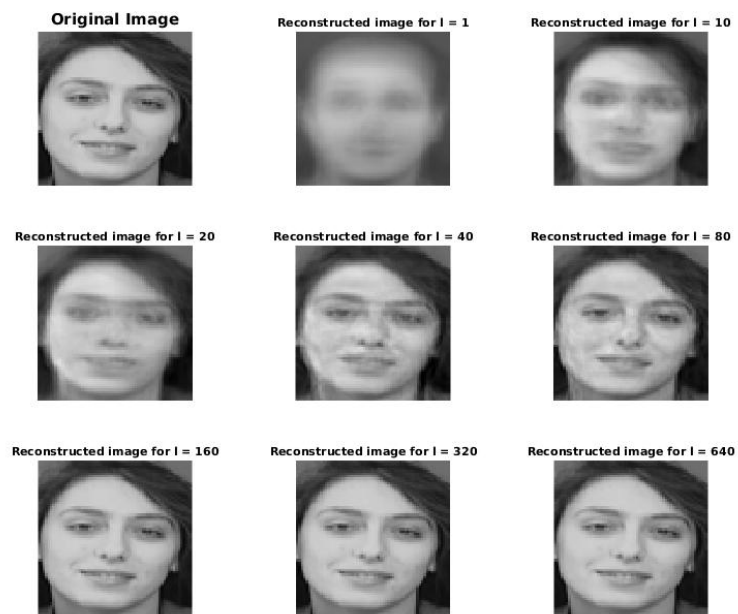
Figure 2:

Original Image

Reconstructed image for l = 1

Reconstructed image for l = 10

Reconstructed image for l = 20

Reconstructed image for l = 40

Reconstructed image for l = 80

Reconstructed image for l = 160

Reconstructed image for l = 320

Reconstructed image for l = 640

Figure 3:

Figure 4:

Figure 5: